



Southern Regional Office (SRO)
400 W. Congress, Suite 433, Tucson, AZ 85701

**DRAFT Minutes of the
Shannon Road/El Camino del Cerro Water Quality Assurance Revolving Fund (WQARF)
Community Advisory Board (CAB) Meeting – 30th Meeting**

November 28, 2007, 6:00 p.m. - 7:30 p.m.
Nanini Library, Large Meeting Room
7300 N. Shannon Road, Tucson, Arizona

W-10190.13.6.2

CAB Members Present: Randy Abbey, Gary Burchard, Marty Drozdoff, Marc Herman, Bob Ornelas, Al Pesqueira, Ellie Towne

CAB Members Absent: Terri Hutts, Gary Pitman

ADEQ Staff Present: Sherri Zendri, Project Manager; Melissa Hayes, Community Involvement Coordinator

Members of the Public Present: Steve Brooks, Michelle Mahal, Rick Smith

The meeting began at 6:00 p.m.

1. Call to Order/Introductions

CAB co-chair, Randy Abbey, welcomed members and conducted introductions.

2. Approval of Minutes for 8/22/07 CAB Meeting

Bob Ornelas asked about page two, section four, the fifth paragraph of the 8/22/07 CAB meeting minutes. He asked whether ADEQ had previously explained where the upcoming six wells would be installed in late 2007; Sherri Zendri said that the locations had not been determined at that time, but she would review them at this meeting. Bob Ornelas then asked about the last paragraph of that section, where it was mentioned that Pima County would be injecting a compound upgradient of the landfill; he asked what the compound would be, and Sherri Zendri said that representatives from Brown & Caldwell were present at the meeting to discuss the workplan for that project. Marc Herman clarified that although he works for Pima County, he would not be speaking to the issue of the landfill since he was not involved with that particular project. Al Pesqueira motioned to approve the minutes; Ellie Towne seconded the motion. All CAB members were in favor; none were opposed.

3. Update on Site Work at El Camino del Cerro Landfill/Workplan for Pump-and-Treat System

Michelle Mahal from Brown & Caldwell (contractor for Pima County) gave an update on the site work at the El Camino del Cerro Landfill. She said that four new wells were installed on the property, one extraction well and three monitoring wells, in which Simulprobe technology was used to collect depth-specific samples. This allowed them to further delineate the vertical extent of the plume and determine

where the “hot spots” (or areas of higher concentrations of contaminants) are around the extraction well. She said that the purpose of the well installations was to support the plume boundaries and monitor the influence of the pilot extraction system. She showed an aerial photograph of the site, and pointed out the boundary of the portion of the site for which Pima County’s investigation is responsible. She then reviewed the locations of the four new wells.

She then reviewed the 2007 quarterly groundwater sampling. The sample analysis focused on the biodegradation parameters and the contaminants of concern, which are PCE, TCE, cis-1,2 DCE, vinyl chloride, ethene and ethane. Most contamination has been found at 150-220 feet below ground surface, and the most contaminated well has been W-14. She reviewed the results of the testing from July 2007, which show that degradation of the contaminants is taking place. PW-1 to the north was non-detect, so the plume has not migrated in that direction. PW-2 showed elevated concentrations of contaminants and confirmed the plume boundary. The data is supporting that the center of mass of contamination from the landfill has moved off the landfill and is located around W-14 or has moved further to the north. Sherri Zendri said that ADEQ believes that the direction of contaminant movement at the site is to the northeast. Bob Ornelas asked if any other contaminants other than the contaminants of concern are tested for; Steve Brooks said that they test for the full sweep of volatile organic compounds (VOCs).

Michelle Mahal then explained the proposed remedial approach, which includes a pilot test system. The objectives are to obtain hydraulic containment of the plume and reduce the contaminant mass in the system. They are proposing a one-year pump-and-treat system, with an air stripper above ground to treat the effluent to concentrations below the water quality standards. The discharge from the system would go to the sanitary sewer, pending a permit approval by Pima County. If the Pima County permit approval does not go through, they could obtain an Arizona Pollution Discharge Elimination System (AZPDES) permit that would allow discharge to the Santa Cruz. Steve Brooks explained that the delay with the permit is that Pima County might not be able to approve the permit until they could provide a sufficient backup source of power for the Ina Road treatment facility that would handle the discharge from the system. The pumping rate for the system is 250 gallons per minute. The system may be set up by the first quarter of next year, depending on the permit approval, and will be evaluated after one year.

She said that modeling estimated how much volume would be removed through the system over one year of operation, and quarterly monitoring would continue during that time. After a year, they may suggest monitored natural attenuation (MNA), dictated by what concentrations of contaminants remain in the system. If the concentrations are not as low as expected, some alternatives would include adding a hydrogen-reducing compound or biostimulation (which is providing the microbes with something to help them degrade more contaminants). Rebound testing would also be looked at.

4. Site Investigation Update/Q&A

Sherri Zendri showed the map of the site; a new map will be developed after the new wells are installed. She clarified the portions of the WQARF Site for which Pima County and ADEQ are responsible. She then discussed work at the former Wrecksperts property. She said that ten soil borings were installed at the former Wrecksperts property to help complete the investigation of the property, and after samples were collected every 1 ½ to two feet, the borings were properly abandoned and the investigation of the property is now complete. She said that ADEQ is currently conducting a risk assessment; the risk assessors at this point feel that given the low levels detected, there is no risk to anyone at this time, so

the Wrecksperts work is being closed for now. She said that the site might be looked again in the future. No TCE was detected in the soil, but 1,2,3-trichloropropane and 1,2-dibromomethane were detected, which are solvents that are used regularly, and dibromomethane is also used as a pesticide right now. All analytical results were below the non-residential soil remediation levels (SRLs).

She said that ADEQ is looking at groundwater data from the Miracle Mile, Silverbell, and Shannon Road/El Camino del Cerro WQARF Sites, as well as the Sweetwater recharge facility, all within the Santa Cruz Basin, in order to create one groundwater map for the whole area. She said that she might have a map to show at the next meeting. There is a hydrologic oddity happening in that area that the map may help explain.

She then reviewed the new well locations. ADEQ will install four new wells, with possibly two more later. She showed the locations of the proposed wells, which include one well in the Meadowbrook development and one in the Cowtown Boots parking lot. The wells should be installed in January, hopefully in time to be included in the next sampling round.

She then reviewed the status of the South Shannon treatment system. She said that another carbon changeout was done on October 11 at the South Shannon treatment system. As of mid-November 2007, 18 million gallons of water have been treated since the last changeout. It takes about 3 ½ to 4 ½ million gallons of water to pull out one pound of VOCs.

Sherri Zendri then explained that it could take 12-18 months to get an AZPDES permit for discharge of the water from the Pima County extraction wells at the El Camino del Cerro Landfill, which is why it is not the optimum choice. Bob Ornelas asked if the discharge could be sent to the Sweetwater treatment facility. Steve Brooks said they spoke to Pima County about discharging it to the Sweetwater facility or injecting it into the reclaim line, but Pima County would have to revise their Aquifer Protection Permits (APP) to do that. Gary Burchard said that Metro Water would not be in favor of monitored natural attenuation (MNA) as a remedial alternative for the site without some convincing as a water user. Sherri Zendri said that the comment was noted and will be put in the file.

5. Call to the Public

There were no further comments from the public.

6. Vote on Resignation of CAB Member Gary Pitman

Marty Drozdoff read the letter of resignation from Gary Pitman, and explained that his work schedule now prevented him from attending the CAB meetings. Marty Drozdoff motioned to accept his resignation; Ellie Towne seconded. All CAB members were in favor; none opposed.

7. CAB Outreach/Membership Discussion

The CAB discussed their membership numbers and whether to send out another announcement recruiting CAB members in the Metro Water newsletter. Gary Burchard said that Metro Water would be amenable to including an article. The current Metro Water newsletter is already in the works, but an article could be done for the next edition. The CAB suggested leaving CAB applications with the drill crew during the upcoming well drillings, putting a sign out at the site or including information about the CAB in the doorhangers. Melissa Hayes said that ADEQ would look into it, and they currently provide copies of the doorhangers to the drill crew. Marty Drozdoff moved that the CAB and ADEQ proceed

with providing that information on the doorhanger and pursuing the article with Metro Water; Bob Ornelas seconded the motion. Melissa Hayes said that she will coordinate with Gary Burchard on the Metro Water newsletter. Ellie Towne then notified the CAB that she may not be able to participate in the CAB after tonight's meeting. Melissa Hayes asked that she submit a letter of resignation, and said that she will add a vote on Ellie Towne's resignation to the next meeting agenda. Bob Ornelas said it was an honor to serve with Ellie Towne on the CAB.

8. Other Administrative Business

Melissa Hayes notified the CAB that she attended the Dedication Ceremony for the Ellie Towne Flowing Wells Community Center. She said that she looked at having the meetings there, but the current room that would be large enough to have the meetings was not open at the time of the CAB meetings, and the other room is too small. She also said that she placed some new brochures on the handout table from the University of Arizona Superfund Research Center on TCE and on chlorinated solvents. She also let the CAB know that another CAB co-chair workshop is scheduled, possibly for early May 2008, and will notify the co-chairs as it gets closer. She said that the map of the WQARF and Superfund sites in the Tucson area was recently updated and provided on the handout table. Randy Abbey said that he gets notices for WQARF Advisory Board meetings and if he gets a chance to attend, he will report back to the CAB about the meetings. Ellie Towne mentioned that Keith Smith will be the new president of the Flowing Wells Neighborhood Association and Community Coalition.

9. Next Meeting Date/Agenda Discussion

The next CAB meeting will be held on Wednesday, April 2, 2008 [Note that the meeting was rescheduled from the original date set of February 27.] The meeting will take place at the Nanini Library, large meeting room, 7300 N. Shannon Rd., Tucson, from 6:00 p.m. to 7:30 p.m. Call Melissa Hayes, ADEQ Community Involvement Coordinator, for meeting details and proposed agenda.

Agenda topics for the next meeting proposed by the CAB include a vote on Ellie Towne's resignation, if received; an update on the doorhangers that ADEQ will place for the upcoming well drillings; and an update on the article about the CAB in an upcoming edition of the Metro Water newsletter. The CAB also requested a presentation on monitored natural attenuation.

10. Adjournment

The meeting was adjourned at 7:10 p.m. Gary Burchard motioned to adjourn the meeting; Marty Drozdoff seconded the motion.

This meeting was recorded on a digital device as a record of the proceedings. To listen to recording, or for additional documents mentioned in these minutes, contact ADEQ's Southern Regional Office, Community Involvement Office, 520/628-6712.

Minutes prepared by: Melissa Hayes 2/22/08
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